

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 3, 2002, 16:58:13 ; Search time 84.63 Seconds
(without alignments)
47.862 Million cell updates/sec

Title: US-09-487-792-2_COPY_28_207
Perfect score: 961
Sequence: 1 LDCNLLNHLRVWQNLRH.....VEIRCLLYFYKFTALFRKK 180

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	235	24.5	172	1	US-08-438-753B-2
2	235	24.5	172	1	US-08-443-883A-2
3	235	24.5	172	2	US-08-631-328-2
4	235	24.5	172	2	US-08-455-524B-2
5	235	24.5	172	2	US-08-455-021B-2
6	235	24.5	172	4	US-09-045-467-2
7	235	24.5	172	4	US-08-954-395A-18
8	234.5	24.4	195	4	US-09-206-903A-8
9	234.5	24.4	195	4	US-09-202-122-8
10	234.5	24.4	195	4	US-09-206-935-23
11	231.5	24.1	162	3	US-09-205-264-3
12	231.5	24.1	189	4	US-09-206-935-16
13	231.5	24.1	189	4	US-09-206-936-16
14	231.5	24.1	195	1	US-08-438-753B-12
15	231.5	24.1	195	1	US-08-249-671A-9
16	231.5	24.1	195	1	US-08-443-883A-12
17	231.5	24.1	195	2	US-08-631-328-12
18	231.5	24.1	195	2	US-08-455-524B-12
19	231.5	24.1	195	2	US-08-455-021B-12
20	231.5	24.1	195	4	US-09-045-467-12
21	230.5	24.0	166	4	US-09-339-913B-78
22	228.5	23.8	172	1	US-08-438-753B-4
23	228.5	23.8	172	1	US-08-438-753B-44
24	228.5	23.8	172	1	US-08-443-883A-4
25	228.5	23.8	172	1	US-08-443-883A-44
26	228.5	23.8	172	2	US-08-631-328-4
27	228.5	23.8	172	2	US-08-631-328-44

28 228.5 23.8 172 2 US-08-455-524B-4 Sequence 4, Appli
29 228.5 23.8 172 2 US-08-455-524B-44 Sequence 44, Appli
30 228.5 23.8 172 2 US-08-455-021B-4 Sequence 4, Appli
31 228.5 23.8 172 2 US-08-455-021B-44 Sequence 44, Appli
32 228.5 23.8 172 4 US-09-045-467-4 Sequence 4, Appli
33 228.5 23.8 172 4 US-09-045-467-44 Sequence 44, Appli
34 227 23.6 195 1 US-08-438-753B-32 Sequence 32, Appli
35 227 23.6 195 1 US-08-443-883A-32 Sequence 32, Appli
36 227 23.6 195 2 US-08-631-328-32 Sequence 32, Appli
37 227 23.6 195 2 US-08-455-524B-32 Sequence 32, Appli
38 227 23.6 195 2 US-08-455-021B-32 Sequence 32, Appli
39 227 23.6 195 4 US-09-045-467-32 Sequence 32, Appli
40 225.5 23.5 189 4 US-09-206-935-18 Sequence 18, Appli
41 225.5 23.5 189 4 US-09-206-936-18 Sequence 18, Appli
42 225.5 23.5 199 6 5510472-9 Patent No. 5510472
43 225 23.4 172 1 US-08-438-753B-34 Sequence 34, Appli
44 225 23.4 172 1 US-08-443-883A-34 Sequence 34, Appli
45 225 23.4 172 2 US-08-631-328-34 Sequence 34, Appli

ALIGNMENTS

RESULT 1
US-08-438-753B-2
; Sequence 2, Application US/08438753B
; Patent No. 5705363
; GENERAL INFORMATION:
; APPLICANT: Imakawa, Kazuhito
; TITLE OF INVENTION: Interferon Tau Compositions and
; TITLE OF INVENTION: Methods of Use
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,753B
; FILING DATE: 10-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/139,891
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,741
; FILING DATE: 09-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/318,050
; FILING DATE: 02-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 5600-0001.30
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-324-0880
; TELEFAX: 415-324-0960
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein


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; SEQUENCE CHARACTERISTICS:
; LENGTH: 172 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: amino acid sequence of a mature
; INDIVIDUAL ISOLATE: OviFntau protein
; US-08-455-524B-2

Query Match 24.5%; Score 235; DB 2; Length 172;
Best Local Similarity 34.4%; Pred. No. 2.le-17;
Matches 54; Conservative 31; Mismatches 50; Indels 22; Gaps

QY 16 QNLRHLSSMSNSFPVCLRENIAFELPQEFLOYTQPMKRDIKKAFYEMSLQAFNIF-SQH 74
DB 13 ENKLKLDLRMRNLSPHSCDLQKDFGLUPQEMVEGDQKQAFVLYEMLQOOSNLFYTH 72
QY 75 TFKYKRWHLKQIQIGLDDQAEYLNOC-----LEEDENENEDMKEMKENMKPSEARVPQL 130
DB 73 SSRAWDTTLEQLCTGLQQLDHLDTCRGVGMGEESSELGNMDPI----- 117
QY 131 SSLELRHYFRHIDNFKERKYSDCAWIEIVRVEIRCL 167
DB 118 --VTVKKYFOGIYDLQEKGYSDCAWEIVRVMRAL 152

RESULT 5
US-08-455-021B-2
; Sequence 2, Application US/08455021B
; GENERAL INFORMATION:
; APPLICANT: Bazer, Fuller W.
; APPLICANT: Johnson, Howard M.
; APPLICANT: Pontzer, Carol H.
; APPLICANT: Ott, Troy L.
; APPLICANT: Van Heeke, Gino
; APPLICANT: Imakawa, Kazuhito
; TITLE OF INVENTION: Interferon Tau Compositions and
; TITLE OF INVENTION: Methods of Use
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,021B
; FILING DATE: 31-MAY-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/139,891
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/847,741
; FILING DATE: 09-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/318,050
; FILING DATE: 02-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 5600-0001.31

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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-324-0880
TELEFAX: 415-324-0960
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 172 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: amino acid sequence of a mature
INDIVIDUAL ISOLATE: Ovifntau protein
US-08-455-021B-2

Query Match 24.5%; Score 235; DB 2; Length 172;
Best Local Similarity 34.4%; Pred. No. 2.le-17;
Matches 54; Conservative 31; Mismatches 50; Indels 22; Gaps 3;
QY 16 QNRLHSSNSFPVECLRENTAFELPQEFLOYTOPMKRDIKAFYEMSLQAFNIF-SQH 74
Db 13 ENKLLDRMRLSPHSCLDQRKDFGLPQEMVEGDQLQKQAFVLYEMLQSQSNLFYTEH 72
QY 75 TFYKWKERHLKQIQIGLDQQAAYLNQC-----LEEDENENEDMKEMKEMKPSARVPQL 130
Db 73 SSAAWDTTLLLEQLCTGLQQLDHLDCRGQVMGEDESELGNMDPI----- 117
QY 131 SSLELRRYFHRIDNFKKKYSDCAWEIFVRVEIRCL 167
Db 118 --VTVKYFQGIYDYLQEKGYSDCAWEIVRVMEMRAL 152

RESULT 6
US-09-045-467-2
Sequence 2, Application US/09045467
GENERAL INFORMATION:
APPLICANT: Johnson, Howard M.
Pontzer, Carol H.
TITLE OF INVENTION: Interferon Tau Compositions and
Methods of Use
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/045,467
FILING DATE: 20-Mar-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/455,021
FILING DATE: 31-MAY-1995
APPLICATION NUMBER: US 08/438,753
FILING DATE: 10-MAY-1995
APPLICATION NUMBER: US 08/139,891
FILING DATE: 19-OCT-1993
APPLICATION NUMBER: US 07/847,741
FILING DATE: 09-MAR-1992
APPLICATION NUMBER: US 07/318,050
FILING DATE: 02-MAR-1989
APPLICATION NUMBER: US 07/969,890
FILING DATE: 30-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: Dehlinger, Peter J.
REGISTRATION NUMBER: 28,006

REFERENCE/DOCKET NUMBER: 5600-0001.36
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 172 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: amino acid sequence of a mature
INDIVIDUAL ISOLATE: Ovifntau protein
US-09-045-467-2

Query Match 24.5%; Score 235; DB 4; Length 172;
Best Local Similarity 34.4%; Pred. No. 2.le-17;
Matches 54; Conservative 31; Mismatches 50; Indels 22; Gaps 3;
QY 16 QNRLHSSNSFPVECLRENTAFELPQEFLOYTOPMKRDIKAFYEMSLQAFNIF-SQH 74
Db 13 ENKLLDRMRLSPHSCLDQRKDFGLPQEMVEGDQLQKQAFVLYEMLQSQSNLFYTEH 72
QY 75 TFYKWKERHLKQIQIGLDQQAAYLNQC-----LEEDENENEDMKEMKEMKPSARVPQL 130
Db 73 SSAAWDTTLLLEQLCTGLQQLDHLDCRGQVMGEDESELGNMDPI----- 117
QY 131 SSLELRRYFHRIDNFKKKYSDCAWEIFVRVEIRCL 167
Db 118 --VTVKYFQGIYDYLQEKGYSDCAWEIVRVMEMRAL 152

RESULT 7
US-08-954-395A-18
Sequence 18, Application US/08954395A
Patent No. 6204022
GENERAL INFORMATION:
APPLICANT: Johnson, Howard M.
Subramaniam, Prem S.
APPLICANT: Pontzer, Carol H.
APPLICANT: Villarete, Lorelie H.
APPLICANT: Campos, Jackeline
APPLICANT: Chung, Albert D.
APPLICANT: Li, Wayne W.
APPLICANT: Liu, Philip T.
TITLE OF INVENTION: LOW-TOXICITY HUMAN INTERFERON-ALPHA
TITLE OF INVENTION: ANALOG
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates LLP
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,395A
FILING DATE: Filed Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/631,328
FILING DATE: 12-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Dehlinger, Peter J
REGISTRATION NUMBER: 27008
REFERENCE/DOCKET NUMBER: 5600-0001.35

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960
TELEX:

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 172 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

IMMEDIATE SOURCE:

LIBRARY: GenBank Accessn. Y00287, PID g1358

CLONE: Ovine IFN-tau, mature protein

US-08-954-395A-18

Query Match 24.4%; Score 235; DB 4; Length 172;
Best Local Similarity 34.4%; Pred. No. 2.1e-17;
Matches 54; Conservative 31; Mismatches 50; Indels 22; Gaps 3;

QY 16 QNRHLSSMSNFPVCLRENIAFELPQEFLOYTPQMKRDIKAFYEMSLQAFNIF-SQH 74

DB 13 ENLKLLDRMRLSPHSCLODRKDFGLPQEMVEGDLQKQDAFPVLYEMLQOSFNLFYTEH 72

QY 75 TFYKWKERHLKQIGLDQQAAYLNQC-----LEEDENEDMKEMKENMKPSEARVPQL 130

DB 73 SSAADPTTLEELCTGLQQLDHLDTGCGVMGEEDSELGNMDPI----- 117

QY 131 SLELARYFHRIDNFKLKEKYSDCAMEIVRVEIRCL 167

DB 118 --VTVRKYFOGIYDYLQEKGYSDCAMEIVRVMRAL 152

RESULT 8

US-09-206-903A-8

Sequence 8, Application US/09206903A

Patent No. 6200780

GENERAL INFORMATION:

APPLICANT: Chen, Jian

APPLICANT: Godowski, Paul J.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Dong-Xiao

FILE OF INVENTION: NOVEL TYPE I INTERFERONS

FILE REFERENCE: P1224-2R1

CURRENT APPLICATION NUMBER: US/09/206,903A

PRIOR FILING DATE: 1998-12-07

PRIOR FILING DATE: 1998-10-30

NUMBER OF SEQ ID NOS: 12

SEQ ID NO 8

LENGTH: 195

TYPE: PRT

ORGANISM: Homo sapiens

US-09-206-903A-8

Query Match 24.4%; Score 234.5; DB 4; Length 195;
Best Local Similarity 35.1%; Pred. No. 2.8e-17;
Matches 60; Conservative 25; Mismatches 67; Indels 19; Gaps 4;

QY 1 LDCNLLNVH--LRRVTWQNLRLHSSMSNFPVCLRENIAFELPQEFLOYTPQMKRDIK 58

DB 22 LGCDLPQNHGLLSRNTLVLLHOMRRIS---PFLCLKDRDRFRFPQEMVKGSQLOKAHVMS 78

QY 59 AFYEMSLQAFNIF-SQHTFYKWKERHLKQIGLDQQAAYLNQCLEEDENEDMKEMKE 117

DB 79 VLHEMLQOIFSLFHTERSAANWMTLLDQHLTGHLQQLHLETCLLQVVGEGE----- 131

QY 118 NEMKPEARVPQLSLELRVYFHRIDNFKLKEKYSDCAMEIVRVEIRCLY 168

DB 132 -----SAGAISSPALTLRRYFQIGIRVYLKKEKYSDCAMEIVRVEIRKMSLF 176

RESULT 9

US-09-202-122-8

Sequence 8, Application US/09202122

Patent No. 6299869

GENERAL INFORMATION:

APPLICANT: Chen, Jian

APPLICANT: Godowski, Paul

APPLICANT: Wood, William I.

APPLICANT: Zhang, Dong-Xiao

TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON

FILE REFERENCE: P1224R2 (filed)

CURRENT APPLICATION NUMBER: US/09/202,122

CURRENT FILING DATE: 1999-03-04

PRIOR APPLICATION NUMBER: PCT/US98/25672

PRIOR FILING DATE: 1998-12-03

NUMBER OF SEQ ID NOS: 12

SEQ ID NO 8

LENGTH: 195

TYPE: PRT

ORGANISM: Homo sapiens

US-09-202-122-8

Query Match 24.4%; Score 234.5; DB 4; Length 195;
Best Local Similarity 35.1%; Pred. No. 2.8e-17;
Matches 60; Conservative 25; Mismatches 67; Indels 19; Gaps 4;

QY 1 LDCNLLNVH--LRRVTWQNLRLHSSMSNFPVCLRENIAFELPQEFLOYTPQMKRDIK 58

DB 22 LGCDLPQNHGLLSRNTLVLLHOMRRIS---PFLCLKDRDRFRFPQEMVKGSQLOKAHVMS 78

QY 59 AFYEMSLQAFNIF-SQHTFYKWKERHLKQIGLDQQAAYLNQCLEEDENEDMKEMKE 117

DB 79 VLHEMLQOIFSLFHTERSAANWMTLLDQHLTGHLQQLHLETCLLQVVGEGE----- 131

QY 118 NEMKPEARVPQLSLELRVYFHRIDNFKLKEKYSDCAMEIVRVEIRCLY 168

DB 132 -----SAGAISSPALTLRRYFQIGIRVYLKKEKYSDCAMEIVRVEIRKMSLF 176

RESULT 10

US-09-206-935-23

Sequence 23, Application US/09206935

Patent No. 6299877

GENERAL INFORMATION:

APPLICANT: Chen, Jian

APPLICANT: Godowski, Paul

APPLICANT: Wood, William I.

APPLICANT: Zhang, Dong-Xiao

TITLE OF INVENTION: NOVEL TYPE I INTERFERONS

FILE REFERENCE: 11669.50US05

CURRENT APPLICATION NUMBER: US/09/206,935

CURRENT FILING DATE: 1998-12-07

EARLIER APPLICATION NUMBER: 60/084,045

EARLIER FILING DATE: 1998-05-04

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn ver. 2.0

SEQ ID NO 23

LENGTH: 195

TYPE: PRT

ORGANISM: Homo sapiens

US-09-206-935-23

Query Match 24.4%; Score 234.5; DB 4; Length 195;
Best Local Similarity 35.1%; Pred. No. 2.8e-17;
Matches 60; Conservative 25; Mismatches 67; Indels 19; Gaps 4;

QY 1 LDCNLLNVH--LRRVTWQNLRLHSSMSNFPVCLRENIAFELPQEFLOYTPQMKRDIK 58

DB 22 LGCDLPQNHGLLSRNTLVLLHOMRRIS---PFLCLKDRDRFRFPQEMVKGSQLOKAHVMS 78

QY 59 AFYEMSLQAFNIF-SQHTFKYWKERHLKQIQIGLDQQAAYLNOCLEEDENEDMKEMKE 117
Db 79 VLHEMLQOIFSLFHTERSAANNWTLDDQLHTGLHQLOHLETCLLQVVGE-131
QY 118 NEMKPEARVPQLSSLELRRYFHRIDNFKLKEKYSDCAWEIVRVEIRCLY 168
Db 132 -----SAGAISSPALTLLRRYFQIRVYLKELKYSDCAWEVVRMEIMKSLF 176
RESULT 11
US-09-205-264-3
; Sequence 3, Application US/09205264
; Patent No. 6114145
; GENERAL INFORMATION:
; APPLICANT: Olsen, et al.
; TITLE OF INVENTION: Synteron
; FILE REFERENCE: PF404
; CURRENT APPLICATION NUMBER: US/09/205,264
; EARLIER FILING DATE: 1998-12-02
; EARLIER APPLICATION NUMBER: 60/067,746
; EARLIER FILING DATE: 1997-12-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-205-264-3
Query Match 24.1%; Score 231.5; DB 3; Length 162;
Best Local Similarity 34.9%; Pred. No. 4.6e-17;
Matches 59; Conservative 25; Mismatches 66; Indels 19; Gaps 4;
QY 3 CULLNVH--LRRVTQNLRLHLSMSNSFPVECLRENIAFELPQEFLOYTPMKRDIKAF 60
Db 1 CDLPQNHGLLSRLNTVLLHOMRRIS---PFLCLKDRDRFRPQEMVKGSLQKAHVMVSL 57
QY 41 YEMSLQAFNIF-SQHTFKYWKERHLKQIQIGLDQQAAYLNOCLEEDENEDMKEMKE 119
Db 58 HEMLOQIFSLFHTERSAANNWTLDDQLHTGLHQLOHLETCLLQVVGE-----108
QY 120 MKPSEARVPQLSSLELRRYFHRIDNFKLKEKYSDCAWEIVRVEIRCLY 168
Db 109 ----SAGAISSPALTLLRRYFQIRVYLKELKYSDCAWEVVRMEIMKSLF 153
RESULT 12
US-09-206-935-16
; Sequence 16, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; EARLIER FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-16
Query Match 24.1%; Score 231.5; DB 4; Length 189;
Best Local Similarity 34.2%; Pred. No. 5.6e-17;
Matches 59; Conservative 18; Mismatches 74; Indels 33; Gaps 5;
QY 1 LDCNLLNVHL---RRVTQNLRLHLSMSNSFPVECLRENIAFELPQEFLOYTPMKRDIK 57
Db 22 LGCNLSQTHSLNNRR---TLMLMAQMRRISSPFSCLKDRHDFEPQEEFDGNOFQKAQAI 77
QY 58 KAFYEMSLQAFNIFS-QHTFKYWKERHLKQIQIGLDQQAAYLNOC-----LEEDENENE 110
Db 78 SVLHEMMQOQTFNLFSTKNSSAANDETLLERFYIELFQOMNDLEACVIOEVGVEETPLMNE 137
QY 111 DMKEMKENMKPSEARVPQLSSLELRRYFHRIDNFKLKEKYSDCAWEIVRVEIRCLY 170
Db 138 D-----SILAVKKYFORITLYLMEKKYSPCAWEVVRMEIMRSLSFS 178
QY 171 YKFTALFRRK 180
Db 179 TNLQKRLRRK 188
RESULT 13
US-09-206-936-16
; Sequence 16, Application US/09206936A
; Patent No. 6300475
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475el Inteferon
; FILE REFERENCE: P1224R1
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-16
Query Match 24.1%; Score 231.5; DB 4; Length 189;
Best Local Similarity 34.2%; Pred. No. 5.6e-17;
Matches 65; Conservative 18; Mismatches 74; Indels 33; Gaps 5;
QY 1 LDCNLLNVHL---RRVTQNLRLHLSMSNSFPVECLRENIAFELPQEFLOYTPMKRDIK 57
Db 22 LGCNLSQTHSLNNRR---TLMLMAQMRRISSPFSCLKDRHDFEPQEEFDGNOFQKAQAI 77
QY 58 KAFYEMSLQAFNIFS-QHTFKYWKERHLKQIQIGLDQQAAYLNOC-----LEEDENENE 110
Db 78 SVLHEMMQOQTFNLFSTKNSSAANDETLLERFYIELFQOMNDLEACVIOEVGVEETPLMNE 137
QY 111 DMKEMKENMKPSEARVPQLSSLELRRYFHRIDNFKLKEKYSDCAWEIVRVEIRCLY 170
Db 138 D-----SILAVKKYFORITLYLMEKKYSPCAWEVVRMEIMRSLSFS 178
QY 171 YKFTALFRRK 180
Db 179 TNLQKRLRRK 188
RESULT 14
US-08-438-753B-12
; Sequence 12, Application US/08438753B
; Patent No. 5705363
; GENERAL INFORMATION:
; APPLICANT: Imakawa, Kazuhito
; TITLE OF INVENTION: Interferon Tau Compositions and
; TITLE OF INVENTION: Methods of Use
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250

Matches 65; Conservative 18; Mismatches 74; Indels 33; Gaps 5;
QY 1 LDCNLLNVHL---RRVTQNLRLHLSMSNSFPVECLRENIAFELPQEFLOYTPMKRDIK 57
Db 22 LGCNLSQTHSLNNRR---TLMLMAQMRRISSPFSCLKDRHDFEPQEEFDGNOFQKAQAI 77
QY 58 KAFYEMSLQAFNIFS-QHTFKYWKERHLKQIQIGLDQQAAYLNOC-----LEEDENENE 110
Db 78 SVLHEMMQOQTFNLFSTKNSSAANDETLLERFYIELFQOMNDLEACVIOEVGVEETPLMNE 137
QY 111 DMKEMKENMKPSEARVPQLSSLELRRYFHRIDNFKLKEKYSDCAWEIVRVEIRCLY 170
Db 138 D-----SILAVKKYFORITLYLMEKKYSPCAWEVVRMEIMRSLSFS 178
QY 171 YKFTALFRRK 180
Db 179 TNLQKRLRRK 188
RESULT 13
US-09-206-936-16
; Sequence 16, Application US/09206936A
; Patent No. 6300475
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475el Inteferon
; FILE REFERENCE: P1224R1
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-16
Query Match 24.1%; Score 231.5; DB 4; Length 189;
Best Local Similarity 34.2%; Pred. No. 5.6e-17;
Matches 65; Conservative 18; Mismatches 74; Indels 33; Gaps 5;
QY 1 LDCNLLNVHL---RRVTQNLRLHLSMSNSFPVECLRENIAFELPQEFLOYTPMKRDIK 57
Db 22 LGCNLSQTHSLNNRR---TLMLMAQMRRISSPFSCLKDRHDFEPQEEFDGNOFQKAQAI 77
QY 58 KAFYEMSLQAFNIFS-QHTFKYWKERHLKQIQIGLDQQAAYLNOC-----LEEDENENE 110
Db 78 SVLHEMMQOQTFNLFSTKNSSAANDETLLERFYIELFQOMNDLEACVIOEVGVEETPLMNE 137
QY 111 DMKEMKENMKPSEARVPQLSSLELRRYFHRIDNFKLKEKYSDCAWEIVRVEIRCLY 170
Db 138 D-----SILAVKKYFORITLYLMEKKYSPCAWEVVRMEIMRSLSFS 178
QY 171 YKFTALFRRK 180
Db 179 TNLQKRLRRK 188
RESULT 14
US-08-438-753B-12
; Sequence 12, Application US/08438753B
; Patent No. 5705363
; GENERAL INFORMATION:
; APPLICANT: Imakawa, Kazuhito
; TITLE OF INVENTION: Interferon Tau Compositions and
; TITLE OF INVENTION: Methods of Use
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250

; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,753B
; FILING DATE: 10-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/139,891
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/847,741
; FILING DATE: 09-MAR-1992
; APPLICATION NUMBER: US/07/318,050
; FILING DATE: 02-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/969,890
; FILING DATE: 30-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 5600-0001.30
; TELEPHONE: 415-324-0880
; TELEFAX: 415-324-0960
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 195 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: predicted amino acid coding sequence
; INDIVIDUAL ISOLATE: of SEQ ID NO:11 (HuIFNtau1).
; US-08-438-753B-12

Query Match 24.1%; Score 231.5; DB 1; Length 195;
Best Local Similarity 36.1%; Pred. No. 5.9e-17;
Matches 60; Conservative 25; Mismatches 66; Indels 15; Gaps 3;
QY 1 LDCNLLNVHRRVTWQNLRLHSSMSNPFVECLRENIAFELPQEFLOYTPMKRDIKKA 60
Db 22 LGCDLSQNHV-LVGRKNRLLDMMRLSPFCLQDRKDFALPQENVEGGQLQEAQAISVL 80
QY 61 YEMSLQAFNIF-SQHTFKYKWRHLKQIQIGLQQAAYLNQCLEEDENEDMKEMKENE 119
Db 81 HEMLQSQFNLFTHESSAANDTILLEQLRTGLHQLDNLDACLQGVWGEED----- 131
QY 120 MKPSEARVPQLSSLELRRYFHRIDNFKKYSDCAWVEIVRVEIR 165
Db 132 ----SALGRGTPLALKRYFQGIHVYKRGYSDCAWETVRLEIMR 173

RESULT 15
US-08-249-671A-9
; Sequence 9, Application US/08249671A
; Patent No. 5710027
; GENERAL INFORMATION:
; APPLICANT: Hauptmann, R.
; APPLICANT: Falkner, E.
; APPLICANT: Bodo, G.
; APPLICANT: Voa, T.
; APPLICANT: Maurer-Fogy, I.
; TITLE OF INVENTION: Process for Preparing and Purifying
; alpha-Interferon

; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/249,671A
; FILING DATE: 26-MAY-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0652.1350000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 195 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-249-671A-9

Query Match 24.1%; Score 231.5; DB 1; Length 195;
Best Local Similarity 34.9%; Pred. No. 5.9e-17;
Matches 59; Conservative 25; Mismatches 66; Indels 19; Gaps 4;
QY 3 CNLNLNVH--LRRVTWQNLRLHSSMSNPFVECLRENIAFELPQEFLOYTPMKRDIKKA 60
Db 24 CDLPQNHGLLSRNTLVLLHQMRRIIS---PFLCLKDRDRFRFPQEMVKGSLQKQAHVMSVL 80
QY 61 YEMSLQAFNIF-SQHTFKYKWRHLKQIQIGLQQAAYLNQCLEEDENEDMKEMKENE 119
Db 81 HEMLQSQFNLFTHESSAANNMTLLDQLHTGLHQLETCLLQVVGEGE----- 131
QY 120 MKPSEARVPQLSSLELRRYFHRIDNFKKYSDCAWVEIVRVEIRCLY 168
Db 132 ----SAGAISSPALTLRRYFQGIHVYKRGYSDCAWVEIVRVEIMKSLF 176

Search completed: March 3, 2002, 16:58:13
Job time: 3505 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 3, 2002, 16:58:12 ; Search time 84.63 Seconds
(without alignments)
54.776 Million cell updates/sec

Title: US-09-487-792-2_COPY_2_207

Perfect score: 1096

Sequence: 1 STKPDMIQKCLWLILMGIF.....VEIRCLYFYKFTALFRK 206

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*

- 1: /cgn2.6/prodata/2/iaa/5A_COMB.pep.*
- 2: /cgn2.6/prodata/2/iaa/5B_COMB.pep.*
- 3: /cgn2.6/prodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2.6/prodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2.6/prodata/2/iaa/PCTUS_COMB.pep.*
- 6: /cgn2.6/prodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	246.5	22.5	187	1	US-08-026-758-22
2	246.5	22.5	187	4	US-09-206-903A-9
3	246.5	22.5	187	4	US-08-406-030A-30
4	246.5	22.5	187	4	US-09-202-122-9
5	246.5	22.5	187	4	US-09-206-935-7
6	246.5	22.5	187	4	US-09-206-936-7
7	246.5	22.5	187	6	5514567-1
8	245.5	22.4	187	3	US-08-912-768-3
9	245.5	22.4	187	6	5326859-1
10	239.5	21.9	195	1	US-08-249-671A-9
11	238.5	21.8	195	4	US-09-206-903A-8
12	238.5	21.8	195	4	US-09-202-122-8
13	238.5	21.8	195	4	US-09-206-935-23
14	236	21.5	189	4	US-09-206-935-16
15	236	21.5	189	4	US-09-206-936-16
16	236	21.5	195	1	US-08-438-753B-12
17	236	21.5	195	1	US-08-443-883A-12
18	236	21.5	195	2	US-08-631-328-12
19	236	21.5	195	2	US-08-455-524B-12
20	236	21.5	195	2	US-08-455-021B-12
21	236	21.5	195	4	US-09-045-467-12
22	235.5	21.5	172	1	US-08-438-753B-2
23	235.5	21.5	172	1	US-08-443-883A-2
24	235.5	21.5	172	2	US-08-631-328-2
25	235.5	21.5	172	2	US-08-455-524B-2
26	235.5	21.5	172	2	US-08-455-021B-2
27	235.5	21.5	172	4	US-09-045-467-2

28	235.5	21.5	172	4	US-08-954-395A-18	Sequence 18, Appl
29	233	21.3	189	4	US-09-206-935-18	Sequence 18, Appl
30	233	21.3	189	4	US-09-206-936-18	Sequence 18, Appl
31	232	21.2	162	3	US-09-205-264-3	Sequence 3, Appl
32	231.5	21.1	195	1	US-08-438-753B-32	Sequence 32, Appl
33	231.5	21.1	195	1	US-08-443-883A-32	Sequence 32, Appl
34	231.5	21.1	195	2	US-08-631-328-32	Sequence 32, Appl
35	231.5	21.1	195	2	US-08-455-524B-32	Sequence 32, Appl
36	231.5	21.1	195	2	US-08-455-021B-32	Sequence 32, Appl
37	231.5	21.1	195	4	US-09-045-467-32	Sequence 32, Appl
38	230.5	21.0	166	4	US-09-339-913B-78	Sequence 78, Appl
39	229.5	20.9	199	6	5510472-9	Patent No. 5510472
40	228.5	20.8	172	1	US-08-438-753B-4	Sequence 4, Appl
41	228.5	20.8	172	1	US-08-438-753B-44	Sequence 44, Appl
42	228.5	20.8	172	1	US-08-443-883A-4	Sequence 4, Appl
43	228.5	20.8	172	1	US-08-443-883A-44	Sequence 44, Appl
44	228.5	20.8	172	2	US-08-631-328-4	Sequence 4, Appl
45	228.5	20.8	172	2	US-08-631-328-44	Sequence 44, Appl

ALIGNMENTS

RESULT 1
US-08-026-758-22
; Sequence 22, Application US/08026758
; Patent No. 5780021
; GENERAL INFORMATION:
; APPLICANT: SOBEL, DOUGLAS O.
; TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE
; DISEASES USING ALPHA-INTERFERON AND/OR BETA-INTERFERON
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/026,758
; FILING DATE: 19930305
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5780021man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 1126-096-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 187 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 22..187
; OTHER INFORMATION: /note= "Hu-IFN-beta"
US-08-026-758-22

Query Match 22.5%; Score 246.5; DB 1; Length 187;
Best Local Similarity 32.9%; Pred. No. 9e-19;
Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;


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RESULT 4
US-09-202-122-9
; Sequence 9, Application US/09202122
; Patent No. 6299869
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON
; FILE REFERENCE: P1224R2 (filed)
; CURRENT APPLICATION NUMBER: US/09/202,122
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/25672
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 9
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-202-122-9

Query Match      22.5%; Score 246.5; DB 4; Length 187;
Best Local Similarity 32.9%; Pred. No. 9e-19;
Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;

QY 6 MTOKCLWLEILMGIFAGTGLSDCNLL-----NVHLRRVTWQNLRLHSSMSNPFVPEC 58
D 1 MTNCKLLQIALLLCFTTALSMSYNLGLQRSSNFQCKLLMQ-----LNGRLEYC 52

QY 59 LRENIAPFELPQEQFYTOPMKRDIKKAFYEMSLQAFNIFSOHTFKY-WKERHLKQIQIGL 117
D 53 LKDRMNFDPPEIKQLQFQKEDAAALTIYEMQLNIFAIRQDSSSTGWNETIVENLLANV 112

QY 118 DQAEYLNOCLEEDENEDMKEMENKMPSEARVPQLSSLELRRYFHRIDNFKLEKKY 177
D 113 YHQINHLKTVLEE-KLEKEDF-----TRGKLMSSLLHKKRYGRILHYLKAKEY 159

QY 178 SDCAWEIVRVEIRRCLYFYKFTALFR 204
D 160 SHCANTIVRVEILRNRYFINRLTGYLRL 186

RESULT 5
US-09-206-935-7
; Sequence 7, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-7

Query Match      22.5%; Score 246.5; DB 4; Length 187;
Best Local Similarity 32.9%; Pred. No. 9e-19;
Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;

QY 6 MTOKCLWLEILMGIFAGTGLSDCNLL-----NVHLRRVTWQNLRLHSSMSNPFVPEC 58
D 1 MTNCKLLQIALLLCFTTALSMSYNLGLQRSSNFQCKLLMQ-----LNGRLEYC 52

QY 59 LRENIAPFELPQEQFYTOPMKRDIKKAFYEMSLQAFNIFSOHTFKY-WKERHLKQIQIGL 117
D 53 LKDRMNFDPPEIKQLQFQKEDAAALTIYEMQLNIFAIRQDSSSTGWNETIVENLLANV 112

QY 118 DQAEYLNOCLEEDENEDMKEMENKMPSEARVPQLSSLELRRYFHRIDNFKLEKKY 177
D 113 YHQINHLKTVLEE-KLEKEDF-----TRGKLMSSLLHKKRYGRILHYLKAKEY 159

QY 178 SDCAWEIVRVEIRRCLYFYKFTALFR 204
D 160 SHCANTIVRVEILRNRYFINRLTGYLRL 186
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QY 6 MIQKCLWLEILMGIFAGTGLSDCNLL-----NVHLRRVTWQNLRLHSSMSNPFVPEC 58
D 1 MTNCKLLQIALLLCFTTALSMSYNLGLQRSSNFQCKLLMQ-----LNGRLEYC 52

QY 59 LRENIAPFELPQEQFYTOPMKRDIKKAFYEMSLQAFNIFSOHTFKY-WKERHLKQIQIGL 117
D 53 LKDRMNFDPPEIKQLQFQKEDAAALTIYEMQLNIFAIRQDSSSTGWNETIVENLLANV 112

QY 118 DQAEYLNOCLEEDENEDMKEMENKMPSEARVPQLSSLELRRYFHRIDNFKLEKKY 177
D 113 YHQINHLKTVLEE-KLEKEDF-----TRGKLMSSLLHKKRYGRILHYLKAKEY 159

QY 178 SDCAWEIVRVEIRRCLYFYKFTALFR 204
D 160 SHCANTIVRVEILRNRYFINRLTGYLRL 186

RESULT 6
US-09-206-936-7
; Sequence 7, Application US/09206936A
; Patent No. 6300475
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475el Interferon
; FILE REFERENCE: P1224R1
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 7
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-7

Query Match      22.5%; Score 246.5; DB 4; Length 187;
Best Local Similarity 32.9%; Pred. No. 9e-19;
Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;

QY 6 MIQKCLWLEILMGIFAGTGLSDCNLL-----NVHLRRVTWQNLRLHSSMSNPFVPEC 58
D 1 MTNCKLLQIALLLCFTTALSMSYNLGLQRSSNFQCKLLMQ-----LNGRLEYC 52

QY 59 LRENIAPFELPQEQFYTOPMKRDIKKAFYEMSLQAFNIFSOHTFKY-WKERHLKQIQIGL 117
D 53 LKDRMNFDPPEIKQLQFQKEDAAALTIYEMQLNIFAIRQDSSSTGWNETIVENLLANV 112

QY 118 DQAEYLNOCLEEDENEDMKEMENKMPSEARVPQLSSLELRRYFHRIDNFKLEKKY 177
D 113 YHQINHLKTVLEE-KLEKEDF-----TRGKLMSSLLHKKRYGRILHYLKAKEY 159

QY 178 SDCAWEIVRVEIRRCLYFYKFTALFR 204
D 160 SHCANTIVRVEILRNRYFINRLTGYLRL 186

RESULT 7
5514567-1
; Patent No. 5514567
; APPLICANT: SUGANO, HARUO; MURAMATSU, MASAMI; TANIGUCHI,
; TADATSUGU
; TITLE OF INVENTION: DNA AND RECOMBINANT PLASMID
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/400,179
; FILING DATE: 06-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 389,922
; FILING DATE: 18-JUN-1982
; APPLICATION NUMBER: 201,359
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STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/249,671A
FILING DATE: 26-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Esmond, Robert W.
REGISTRATION NUMBER: 32,893
REFERENCE/DOCKET NUMBER: 0652.1350000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 195 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-249-671A-9

Query Match 21.9%; Score 239.5; DB 1; Length 195;
Best Local Similarity 34.3%; Pred. No. 5.4e-18;
Matches 62; Conservative 27; Mismatches 73; Indels 19; Gaps 4;

QY 17 MGIFTAGTSLDCNLLNVH--LRVTWQNLRLHLSMSNSFPVCECLRENIAFELPQEFLOYTOPMKRDIK 74
Db 12 MEVFSIATNAYACDLPQNHGLLSRNTLVLLHQMRRIS---PFLCLKDRDRFRFPQEMVKG 68
QY 75 TQPMKRDIKAFYMSLQAFNIP-SQHTFYKWKERHLKQIQIGLDQQAAYLNQCLEEDENEDMKEMK 133
Db 69 SOLQRAHVMVLHEMLQQLFSLFHTERSAAWNMTLLDQLHTGLHQLQHLCTCLLQVVG 128
QY 134 ENEDMKEMKENMKPSEARVPQLSSLELRRYFHRIDNFKLKKYSDCAWEIVRVEIRCLY 193
Db 129 EGE-----SAGAISSPALTLLRRYFQGIIRVYLKKEKYSDCAWEVVRMEIMKSL 175
QY 194 Y 194
Db 195 F 176

RESULT 11
US-09-206-903A-8
; Sequence 8, Application US/09206903A
; Patent No. 6200780
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul J.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: P1224-2R1
; CURRENT APPLICATION NUMBER: US/09/206,903A
; CURRENT FILING DATE: 1998-12-07
; PRIOR APPLICATION NUMBER: US 60/106,463
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 8
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-903A-8

Query Match 21.8%; Score 238.5; DB 4; Length 195;

Best Local Similarity 35.5%; Pred. No. 6.9e-18;
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QY 84 KAFYMSLQAFNIP-SQHTFYKWKERHLKQIQIGLDQQAAYLNQCLEEDENEDMKEMK 142
Db 78 SVLHEMLQQLFSLFHTERSAAWNMTLLDQLHTGLHQLQHLCTCLLQVVGEGE----- 131
QY 143 ENMKPSEARVPQLSSLELRRYFHRIDNFKLKKYSDCAWEIVRVEIRCLY 194
Db 132 -----SAGAISSPALTLLRRYFQGIIRVYLKKEKYSDCAWEVVRMEIMKSLF 176

RESULT 12
US-09-202-122-8
; Sequence 8, Application US/09202122
; Patent No. 6299869
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON
; FILE REFERENCE: P1224R2 (filed)
; CURRENT APPLICATION NUMBER: US/09/202,122
; CURRENT FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/25672
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 8
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-202-122-8

Query Match 21.8%; Score 238.5; DB 4; Length 195;
Best Local Similarity 35.5%; Pred. No. 6.9e-18;
Matches 61; Conservative 25; Mismatches 67; Indels 19; Gaps 4;
QY 26 SLDCNLLNVH--LRVTWQNLRLHLSMSNSFPVCECLRENIAFELPQEFLOYTOPMKRDIK 83
Db 21 SLGCDLPONHGLLSRNTLVLLHQMRRIS---PFLCLKDRDRFRFPQEMVKGSQLQKAHYM 77
QY 84 KAFYMSLQAFNIP-SQHTFYKWKERHLKQIQIGLDQQAAYLNQCLEEDENEDMKEMK 142
Db 78 SVLHEMLQQLFSLFHTERSAAWNMTLLDQLHTGLHQLQHLCTCLLQVVGEGE----- 131
QY 143 ENMKPSEARVPQLSSLELRRYFHRIDNFKLKKYSDCAWEIVRVEIRCLY 194
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RESULT 13
US-09-206-935-23
; Sequence 23, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 23
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-23

Query Match 21.7%; Score 238.5; DB 4; Length 195;
Best Local Similarity 35.5%; Pred. No. 6.5e-18;
Matches 61; Conservative 25; Mismatches 67; Indels 19; Gaps 4;
QY 27 SLDCNLLNVH--LRRVTWQNLRLHSSMSNFPVECLRENIAFELPQEFLOYTPQMKRDIK 84
DB 21 SLGCDLPQNHGLLSNTLVLLHQMRRIS---PFLCLKDRDRFFPQEMVKGSLQKAHVM 77
QY 85 KAFYEMSLQAFNIF-SQHTFKYKWKERHLKQIQIGLDQQAAYLNQCLEEDENEDMKEMK 143
DB 78 SVLHEMLQOIFSLFHTERSAAWNMTLLDQLHTGLHQQQLHLETCLLQVVGEGE----- 131
QY 144 ENEMKPSARVPQLSSLELRRYFHRIDNPLKCKKYSDCAWEIYVVRIRCLY 195
DB 132 -----SAGATSSPALTERRVFGIRVYLKCKKYSDCAWEVVRMEIMKSLF 176

RESULT 14
US-09-206-935-16
; Sequence 16, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-935-16

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Matches 67; Conservative 23; Mismatches 79; Indels 36; Gaps 6;
QY 16 ILMGIFI---AGTSLSDCNLLNVHL---RRVTWQNLRLHSSMSNFPVECLRENIAFELP 69
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QY 70 QEFLOYTPQMKRDIKAFYEMSLQAFNIFS-QHTFKYKWKERHLKQIQIGLDQQAAYLNQC 128
DB 63 QEEFDGNQFQKAQAISVLHEMWOQTNLFSTKNSSAAWDETLEKFIYELFQOMNDLEAC 122
QY 129 -----LEEDENEDMKEMKPSARVPQLSSLELRRYFHRIDNPLKCKKYSDC 182
DB 123 VIOEVGVEETPLMNE-----SILAVKKYFORITLYLMEKKYSPCA 163
QY 183 WEIVRVEIRCLYFYKFTALFRK 207
DB 164 WEVVRAEIMRSLSFSTNLQKRLRK 188

RESULT 15
US-09-206-936-16
; Sequence 16, Application US/09206936A
; Patent No. 6300475

; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: No. 6300475el Inteferon
; FILE REFERENCE: FL224R1
; CURRENT APPLICATION NUMBER: US/09/206,936A
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: US 60/067,897
; EARLIER FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 16
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-206-936-16

Query Match 21.4%; Score 236; DB 4; Length 189;
Best Local Similarity 32.7%; Pred. No. 1.1e-17;
Matches 67; Conservative 23; Mismatches 79; Indels 36; Gaps 6;
QY 16 ILMGIFI---AGTSLSDCNLLNVHL---RRVTWQNLRLHSSMSNFPVECLRENIAFELP 69
DB 7 LMMALVVLSCSKSCSLGCLNLSQTHSLNNRR---TLMLMAQMRRIISPFSCCLKDRHDFEFP 62
QY 70 QEFLOYTPQMKRDIKAFYEMSLQAFNIFS-QHTFKYKWKERHLKQIQIGLDQQAAYLNQC 128
DB 63 QEEFDGNQFQKAQAISVLHEMWOQTNLFSTKNSSAAWDETLEKFIYELFQOMNDLEAC 122
QY 129 -----LEEDENEDMKEMKPSARVPQLSSLELRRYFHRIDNPLKCKKYSDC 182
DB 123 VIOEVGVEETPLMNE-----SILAVKKYFORITLYLMEKKYSPCA 163
QY 183 WEIVRVEIRCLYFYKFTALFRK 207
DB 164 WEVVRAEIMRSLSFSTNLQKRLRK 188

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; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/249,671A
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0652.1350000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 195 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-249-671A-9

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QY 135 ENEDMKEMKENMKPSEARVPQLSSLELRVYFHRIDNFKLKKYSDCAWEIVRVEIRCL 194
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RESULT 11
US-09-206-903A-8
; Sequence 8, Application US/09206903A
; Patent No. 6200780
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul J.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: P1224-2R1
; CURRENT APPLICATION NUMBER: US/09/206,903A
; PRIOR FILING DATE: 1998-12-07
; PRIOR APPLICATION NUMBER: US 60/106,463
; PRIOR FILING DATE: 1998-10-30
; NUMBER OF SEQ ID NOS: 12
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; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-206-903A-8

Query Match 21.7%; Score 238.5; DB 4; Length 195;
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; STATE: D.C.
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; ZIP: 20005
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; MEDIUM TYPE: Floppy disk
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; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/249,671A
; FILING DATE: 26-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Esmond, Robert W.
; REGISTRATION NUMBER: 32,893
; REFERENCE/DOCKET NUMBER: 0652.1350000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 195 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-249-671A-9

Query Match 21.7%; Score 238.5; DB 4; Length 195;
Best Local Similarity 35.5%; Pred. No. 6.5e-18;
Matches 61; Conservative 25; Mismatches 67; Indels 19; Gaps 4;

QY 27 SLDCNLLNVH--LRVTWQNLRLHSSMSNSFPVECLRENIAFELPQEFLOYTQPMKRDIK 84
Db 21 SLGCDLPQNHGLLSRNTLVLLHQMRIS---PFLCLKRRDRFRFQEMVKGSOLQKAHVM 77
QY 85 KAFYEMSLQAFNIF--SQHTFKYKWKERHLKQIOIGLDQQAAYLNOCLEEDENEDMKEMK 143
Db 78 SVLHEMLQOIFSLFHTERSSSAANNMTLLDQLHTGLHQHLETCLLQVVGE----- 131
QY 144 ENEMKPSEARVPQLSSLELRVYFHRIDNFKLKKYSDCAWEIVRVEIRCLY 195
Db 132 -----SAGAISSPALTLRRYFQGIIRVYLKKEKYSDCAWEVVRMEIMKSLF 176

RESULT 12
US-09-202-122-8
; Sequence 8, Application US/09202122
; Patent No. 6299869
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: HUMAN INTERFERON-EPSILON: A TYPE I INTERFERON
; FILE REFERENCE: P1224R2 (filed)
; CURRENT APPLICATION NUMBER: US/09/202,122
; CURRENT FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/25672
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 8
; LENGTH: 195
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-202-122-8

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Best Local Similarity 35.5%; Pred. No. 6.5e-18;
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QY 27 SLDCNLLNVH--LRVTWQNLRLHSSMSNSFPVECLRENIAFELPQEFLOYTQPMKRDIK 84
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QY 85 KAFYEMSLQAFNIF--SQHTFKYKWKERHLKQIOIGLDQQAAYLNOCLEEDENEDMKEMK 143
Db 78 SVLHEMLQOIFSLFHTERSSSAANNMTLLDQLHTGLHQHLETCLLQVVGE----- 131
QY 144 ENEMKPSEARVPQLSSLELRVYFHRIDNFKLKKYSDCAWEIVRVEIRCLY 195
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RESULT 13
US-09-206-935-23
; Sequence 23, Application US/09206935
; Patent No. 6299877
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Godowski, Paul
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Dong-Xiao
; TITLE OF INVENTION: NOVEL TYPE I INTERFERONS
; FILE REFERENCE: 11669.50US05
; CURRENT APPLICATION NUMBER: US/09/206,935
; CURRENT FILING DATE: 1998-12-07
; EARLIER APPLICATION NUMBER: 60/084,045
; EARLIER FILING DATE: 1998-05-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 187
5514567-1

QY 179 SDCWEIVRVEIRRCILYFYKFTALFR 205
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Db 160 SHCAWTVRVEILRNFYFINRLTGYLR 186

US-08-912-768-3
; Sequence 3, Application US/08912768
: Patent No. 6127332

ADDRESSEE: James F. Haley, Jr.
STREET: Fish & Neave, 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA

CLASSIFICATION:
PRIORITY:
APPLICATION NUMBER: 08/475,774

US-08-912-768-3

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 3, 2002, 15:59:48 ; Search time 84.63 Seconds
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Title: US-09-487-792-2

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Maximum Match 100%

Listing first 45 summaries

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SUMMARIES

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8	246.5	22.4	187	6	5514567-1
9	245.5	22.3	187	3	US-08-912-768-3
10	245.5	22.3	187	6	5326859-1
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12	238.5	21.7	195	4	US-09-206-903A-8
13	238.5	21.7	195	4	US-09-202-122-8
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15	236	21.4	189	4	US-09-206-935-16
16	236	21.4	195	1	US-08-438-753B-12
17	236	21.4	195	1	US-08-443-883A-12
18	236	21.4	195	2	US-08-631-328-12
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20	236	21.4	195	2	US-08-455-021B-12
21	236	21.4	195	4	US-09-045-467-12
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25	235.5	21.4	172	2	US-08-455-524B-2
26	235.5	21.4	172	2	US-08-455-021B-2
27	235.5	21.4	172	4	US-09-045-467-2

28 235.5 21.4 172 4 US-08-954-395A-18 Sequence 18, Appl
29 233 21.2 189 4 US-09-206-935-18 Sequence 18, Appl
30 233 21.2 189 4 US-09-206-936-18 Sequence 18, Appl
31 232 21.1 162 3 US-09-205-264-3 Sequence 3, Appl
32 231.5 21.0 195 1 US-08-438-753B-32 Sequence 32, Appl
33 231.5 21.0 195 1 US-08-443-883A-32 Sequence 32, Appl
34 231.5 21.0 195 2 US-08-631-328-32 Sequence 32, Appl
35 231.5 21.0 195 2 US-08-455-524B-32 Sequence 32, Appl
36 231.5 21.0 195 2 US-08-455-021B-32 Sequence 32, Appl
37 231.5 21.0 195 4 US-09-045-467-32 Sequence 32, Appl
38 230.5 20.9 166 4 US-09-339-913B-78 Patent No. 5510472
39 229.5 20.8 199 6 5510472-9 Sequence 4, Appl
40 228.5 20.8 172 1 US-08-438-753B-4 Sequence 44, Appl
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42 228.5 20.8 172 1 US-08-443-883A-44 Sequence 44, Appl
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45 228.5 20.8 172 2 US-08-631-328-44 Sequence 44, Appl

ALIGNMENTS

RESULT 1
US-08-026-758-22
; Sequence 22, Application US/08026758
; Patent No. 5780021
; GENERAL INFORMATION:
; APPLICANT: SOBEL, DOUGLAS O.
; TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE
; DISEASES USING ALPHA-INTERFERON AND/OR BETA-INTERFERON
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/026,758
; FILING DATE: 19930305
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Oblon, No. 5780021man F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 1126-096-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 187 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
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; NAME/KEY: Protein
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Query Match 22.4%; Score 246.5; DB 1; Length 187;
Best Local Similarity 32.9%; Pred. No. 8.5e-19;
Matches 68; Conservative 26; Mismatches 84; Indels 29; Gaps 5;